



Town of Herndon, Virginia

FY2011-FY2016

Capital Improvement Program

Adopted June 8, 2010

Prepared by the Department of Community Development



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**TOWN OF HERNDON, VIRGINIA**  
**CAPITAL IMPROVEMENT PROGRAM**  
**FY2011 - FY2016**  
**Adopted June 8, 2010**

**TOWN COUNCIL**

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Connie Haines Hutchinson, Vice Mayor  
Richard F. Downer  
Dennis D. Husch  
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Anne P. Curtis, Public Information Officer  
Gene A. Fleming, Director of Golf  
Elizabeth M. Gilleran, Director of Community Development  
Richard B. Kaufman, Town Attorney  
Cynthia S. Roeder, Director of Parks and Recreation  
Linda A. Simmons, Director of Human Resources  
Toussaint E. Summers, Jr., Chief of Police  
Darlene C. Thompson, Assistant to the Town Manager  
Mary K. Tuohy, Director of Finance  
Viki L. Wellershaus, Town Clerk

This Capital Improvement Program (CIP) does not constitute a solicitation, publication of interest, or encouragement of interest in the submission of a proposal under the Public-Private Education Facilities and Infrastructure Act of 2002.

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## **MANAGEMENT SUMMARY**

The annual CIP provides an opportunity to consider the needs and priorities for the public facilities and utilities of Herndon. The CIP serves both as a budget document for FY2011 and as a tool for short term planning over the succeeding five years. The FY2011-FY2016 Capital Improvement Program (CIP) provides a strategic funding plan that reflects the town's proposed FY2011 Operating Goals and the adopted 2027 Vision Statement.

The CIP contains 36 projects for the six-year cycle, consisting of 28 General Fund and 8 Enterprise Fund projects. Many of these projects are on-going from previous years; however revisions have been made to several projects.

The Van Buren Median Project has been added to the List of Active Capital Improvement Projects Using Reserve Funds.

The Metrorail Station/Downtown/Worldgate Area Plan and Technical Studies and Triangle Street Improvement – Phase 1A projects are anticipated for completion in the current budget year and therefore have been removed. The Water/Sewer – Vehicles and Equipment project has fallen below the \$50,000 minimum for the CIP and has also been removed.

The Dranesville Road Improvements project has been removed from the list of Capital Projects Scheduled After FY2016 and has become an active project sheet. The Downtown Utility Relocation Project is a new project.

The program is supported by a variety of financing sources, including general fund monies, undesignated fund balance, reimbursable grants, capital leases and the reallocation of certain CIP project reserves. Other than the cost of the projects, no significant financial impacts on current or future years is anticipated.

General obligation bonds are another funding source for major capital projects. The sale of general obligation bonds pledges the full faith and credit of the town for their repayment, which is typically a 15 to 20 year period. In order to take advantage of a bond interest expense subsidy offered by the federal government for a limited time, the Town Council authorized a general obligation bond issue for February 2010. The bond proceeds from this sale will fund three street capital projects occurring in FY2011 and FY2012. The capital projects in FY2011 are Station Street (at \$733,000) and Pearl, Nash, Oak, Wood Streets Improvements (at \$1,000,000). For FY2012, bond proceeds will be used to finance \$700,000 of the Park-Monroe Intersection improvements capital project.

FY2011 CIP funding also includes \$200,000 of General Fund Undesignated Fund Balance, \$1,958,000 from grants, and \$407,200 from capital leases, totaling \$4,453,000 towards General Fund projects. A sum of \$140,000 finances projects for one of the four Enterprise Funds in FY2011: The Water and Sewer fund. No capital projects are scheduled for the Golf Course, Downtown Public Shared Parking or the Cemetery Fund in FY2011.

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## **I. OVERVIEW**



## **I. OVERVIEW**

### **PURPOSE**

The purpose of the Capital Improvement Program (CIP) is to provide a practical plan for the acquisition, development, enhancement or replacement of public facilities to serve the town citizenry. The CIP is a realistic, six-year program for implementing the capital priorities of the town within identified funding constraints. The programming of capital improvements aids in the efficient and effective provision of public facilities and services.

As opposed to operations and maintenance, capital projects require major expenditures for such items as public land, structures, utility systems, streets, and major equipment. Projects or programs requiring a total commitment of less than \$50,000 are not normally included in the town's CIP.

### **TOWN OF HERNDON OPERATING GOALS**

The CIP is a critical component of the town's goal setting, budgeting, evaluating, and reporting system, as identified in the adopted budget. After final adoption by the Town Council, the CIP serves as a budget document and funding authorization for the first fiscal year of the program as well as a planning tool for the remaining five years of the six-year schedule. The CIP is updated annually and is considered a component of the town's comprehensive plan.

The town operates on a July 1 through June 30 fiscal year. The term "FY2011," for example, is used to refer to the July 1, 2010 through June 30, 2011 fiscal year. The CIP is developed

concurrently with the programs and activities that comprise the annual operating budget. The Financial Analysis component of the CIP is finalized after the operating budget amounts are in final recommended form. This section includes historic and projected trends for revenues and expenditures, culminating with the identification of projected Capital Financing Potential.

### **FUNDING OPTIONS**

A variety of funding options are available to the Town of Herndon for its capital project needs: General Fund revenues; County, State, and Federal grants and payments; developer contributions; and cash proffers from an approved rezoning application. Capital leases can also be used to purchase equipment, and Herndon typically funds information technology hardware and general service administration vehicles through this financing method. The CIP contains many projects that have a transportation component, including several major street improvement projects supported primarily by Virginia Department of Transportation (VDOT) funding. VDOT capital funding includes allocations from the VDOT Urban Division as well as federal and state monies allocated through the Northern Virginia Transportation Coordinating Council.

Funds for capital construction may also be generated by the sale of general obligation bonds that pledge the full faith and credit of the town for their repayment. These bonds are typically repaid over a 15 to 20 year period. Other sources of funding include revenue grants generated by enterprise activities or revenue bonds that pledge the revenue generating potential of a facility or utility.

The Town of Herndon currently maintains four independent enterprise funds that provide operations, maintenance and enhancement of certain public facilities and utilities based upon revenue generating user fees. The Golf Course Fund is supported by revenue from the award-winning Herndon Centennial Golf Course. The Water and Sewer Fund supports the water and sanitary sewer systems through user fees and connection fees generated by business and residential customers. The Downtown Parking Fund supports the operation and development of the Herndon Downtown Public Shared Parking Program. Lastly, the Cemetery Fund supports the improvements and operation of the Chestnut Grove Cemetery, which is owned by the town.

## **PROCESS**

Within the framework of the 2027 Vision Statement, the fiscal year Operating Goals, the 2030 Comprehensive Plan, and other adopted town policy documents, the annual development of the CIP is a process characterized by extensive community input. The operating departments constantly review needs and requests for services and facilities. Early financing indicators and capital project issues are typically reviewed with the Planning Commission and Town Council during the latter part of the calendar year.

In December, the CIP process begins with the submittal of project requests from the various departments. During the month of December, town staff evaluates the submitted projects, and a draft CIP is developed and provided to the Planning Commission for review and consideration at its public hearings in January and February. The Planning Commission makes its official recommendation on the CIP, which is

forwarded to the Town Manager. In April, the Town Manager proposes a recommended Capital Improvement Program to the Town Council. Then the Town Council holds two public hearings for input and then action on the upcoming fiscal year operating budget, including the first year of the CIP. In May, a second public hearing is held on the remainder of the CIP for input and then final action by the Town Council.

### **Capital Improvement Program Process:**

Continuous	Input on CIP projects.
November	Staff performs preliminary financial analyses and reviews budget goals and objectives with Town Council.
January	Staff presents the status of the capital improvement projects to the Planning Commission and Town Council at a joint work session.
February	Town Council holds a public hearing for citizen input on the fiscal year budget and CIP, and the Planning Commission holds a public hearing on the Preliminary Draft CIP.
March	Planning Commission holds a second public hearing on the CIP, and it makes a recommendation on the program, which is forwarded to the Town Manager.

March	Budget and CIP Newsletter is distributed to town residents.
April	Town Council holds public hearings and takes action on the budget and the first year of the CIP.
May	Town Council holds a public hearing and takes action on the remaining five years of the CIP.

## **POLICY**

A number of important policies guide the formulation of the CIP and the programming of resources to support the scheduled projects:

- To assist with financial planning and decision making, the town will annually prepare a six year projection of General Fund revenues and expenditures, Undesignated Fund Balance, and Capital Financing Potential;
- The CIP project totals conform closely to the constraints identified in the annual projection of total revenues, recurring revenues, total expenditures, recurring expenditures, fund balance and available funds for capital projects;
- Fiscal year funding amounts designate monies for a particular project phase. The funding amounts should be encumbered by the end of the fiscal year in which they appear;

- The Town Council will review the status of capital improvement projects six months after adoption of the CIP to determine what adjustments, if any, are required in project scheduling and funding;
- TARGET: A minimum of 10% of General Fund projects should be funded on a cash basis. The town is to fund a significant portion of capital improvements with current revenues;
- TARGET: Maintain a minimum of 10% of the projected annual operating expenditures for the upcoming fiscal year in Undesignated Fund Balance. The town is to maintain General Fund equity (Undesignated Fund Balance) sufficient to provide working capital to address contingencies. The undesignated fund balance projected at June 30, 2011 is \$4,504,550. The town is projected to maintain a minimum undesignated fund balance of \$3,707,800 at the beginning of FY2017;
- TARGET: General Fund Debt Service as a Percentage of General Fund expenditures should not exceed 12%. For FY2011, the General Fund debt service is 8.7% of the proposed General Fund operating and debt service expenditures;
- TARGET: Total Debt as a Percentage of Assessed Value should not exceed 3.0%. In FY2009, debt as a percentage of assessed value was 0.38%. At July 1, 2010, the estimated percentage will be 0.50%. The Code of Virginia limits the town's debt to 10% of assessed value;

- **TARGET:** Debt per Capita should not exceed \$1,000 at base year FY1994, plus an additional 1% adjustment for each subsequent year. This formula was established in FY2005 to adjust for inflation and income growth over time. For FY2011, the maximum debt-per-capita is \$1,184 and the estimated debt per capita is \$741;
- Operations of the town's Enterprise Funds—Golf Course, Water and Sewer, Downtown Parking and Cemetery—are intended to be financed or recovered primarily through user charges;
- Enterprise Fund revenues are to support construction costs or debt service for capital facilities for the respective operations whenever possible. General Fund transfers may be used to support the development of Enterprise Fund capital facilities;
- To assist with budgeting and planning efforts, the CIP may include purchases that typically may not be considered capital investments for larger jurisdictions. These purchases may include vehicles and major equipment and information systems and telecommunications infrastructure procurements.

## **BENEFITS**

Capital programming, through the Town of Herndon Capital Improvement Program, benefits the town by accomplishing the following:

- Establishes an annual examination and prioritization of town needs;
- Facilitates capital expenditure and revenue estimates and helps avoid emergency financing methods;
- Provides a basis for formulating bond programs and other revenue producing measures;
- Provides focus on community goals and objectives, including those identified in the 2027 Vision Statement;
- Assists with the implementation of the town's comprehensive plan and related policies;
- Assists with the prioritization and implementation of neighborhood-based programs and projects;
- Facilitates better coordination between town departments in planning and implementing capital projects;
- Enables proper project management and design, including appropriate project financing and construction scheduling.

## **CLASSIFICATION**

The CIP is divided into a number of project classes, and projects are coded using the convention outlined below:

### Classification Number and Name

1. Land Acquisition
2. Traffic Control
3. Streets
4. Bridges
5. Storm Drainage
6. Sanitary Sewer
7. Redevelopment
8. Refuse Disposal
9. Buildings
10. Grounds
11. Parks and Playgrounds
12. Water System
13. Downtown Development
14. Consultant Services
15. Vehicles and Large Equipment
16. Information Technology

### Agency Codes

BD = Buildings  
CD = Community Development  
FI = Finance Department  
GC = Golf Course  
GD = Grounds (Department of Public Works [DPW])  
IT = Information Technology  
PO = Police Department  
PR = Parks and Recreation  
SM = Storm Sewer (DPW)  
SS = Sanitary Sewer (DPW)  
ST = Streets (DPW)  
TS = Town Shop (DPW)  
WS = Water System (DPW)

### Project Number Components:

[Example] 03-ST-96-001  
03 – Project Classification  
ST – Agency Code (department responsible)  
96 – Fiscal Year included in CIP  
01 – Department Project Numbering

Project description sheets may also contain a Department of Public Works three-digit contract implementation project number.

[Example] DPW#722

## **II. FINANCIAL ANALYSIS**

As an aid to comprehensive financial planning consistent with the development and analysis of the proposed Capital Improvement Program, the following tables examine the past and estimated future expenditures and revenues of the Town. In particular, the present and future ability of the Town to pay for the construction and maintenance of proposed public improvements is determined by establishing the present availability of funds, by researching the probable future trends of municipal revenues and expenditures, by appraising all factors related to the administration and operation of the Capital Improvement Program, and by determining what limitations are imposed upon the Town, providing as much information as possible to ensure prudent fiscal responsibility.

Table 1

**TOWN OF HERNDON, VIRGINIA  
TEN YEAR HISTORY OF REAL ESTATE TAXES  
FISCAL YEARS 2000 - 2009**

1/

FISCAL YEAR	ASSESSED VALUATION				TAX RATE	TAX LEVY AMOUNT	% CHANGE	TOTAL REAL ESTATE TAXES COLLECTED		
	Real Property	Public Service Corp.	Total	% CHANGE				Percentage of Levy Collected	Amount Collected to Date	% CHANGE
2009	\$ 4,584,232,976	\$ 145,578,271	\$ 4,729,811,247	-0.43%	\$ 0.24	\$ 11,002,159	-0.28%	99.63%	\$ 10,961,629	-0.57%
2008	4,597,329,360	152,834,703	4,750,164,063	7.79%	0.24	11,033,590	5.42%	99.91%	11,024,009	5.37%
2007	4,219,216,449	187,449,426	4,406,665,875	26.62%	0.24	10,466,159	20.29%	99.96%	10,462,039	20.26%
2006	3,342,000,159	138,361,962	3,480,362,121	25.76%	0.25	8,700,905	12.29%	99.98%	8,699,302	12.27%
2005	2,625,885,034	141,520,282	2,767,405,316	9.23%	0.28	7,748,735	9.23%	100.00%	7,748,703	9.23%
2004	2,375,391,290	158,205,107	2,533,596,397	3.33%	0.28	7,094,070	-3.56%	100.00%	7,094,070	-3.56%
2003	2,298,159,630	153,766,905	2,451,926,535	8.84%	0.30	7,355,780	2.03%	100.00%	7,355,780	2.03%
2002	2,090,491,875	162,376,543	2,252,868,418	16.88%	0.32	7,209,179	16.88%	100.00%	7,209,179	16.88%
2001	1,808,838,125	118,732,380	1,927,570,505	11.01%	0.32	6,168,226	11.01%	100.00%	6,168,226	11.01%
2000	1,629,997,813	106,394,376	1,736,392,189	7.19% <sup>2/</sup>	0.32	5,556,455	7.19% <sup>2/</sup>	100.00%	5,556,455	7.19% <sup>2/</sup>

1/ Includes collection of current and prior years' delinquent real estate taxes.

2/ Compared to FY 1999.

Table 2

**TOWN OF HERNDON, VIRGINIA**  
**TEN YEAR HISTORY OF GENERAL FUND REVENUE BY SOURCE**  
**FISCAL YEARS 2000 - 2009**

<u>FISCAL YEAR</u>	<u>General Property Taxes (1)</u>	<u>Other Local Taxes (2)</u>	<u>Permits, Fees and Regulatory Licenses (3)</u>	<u>Fines</u>	<u>Revenue from Use of Money and Property</u>	<u>Charges for Services (4)</u>	<u>Intergov't Revenues (5)</u>	<u>Miscellaneous</u>	<u>Totals</u>	<u>Percent Increase or (Decrease) from Prior Fiscal Year</u>
2009	\$ 11,315,372	\$ 12,353,268	\$ 361,280	\$ 593,631	\$ 910,128	\$ 3,158,288	\$ 2,754,078	\$ 18,482	\$ 31,464,527	-0.37%
2008	11,415,226	12,713,550	285,090	571,998	900,291	2,999,216	2,626,990	67,630	31,579,991	3.07%
2007	10,441,826	12,333,994	442,686	571,830	1,024,643	2,769,747	3,026,764	28,896	30,640,386	12.96%
2006	8,702,956	11,803,464	388,028	471,902	634,551	2,563,109	2,463,219	97,865	27,125,094	6.30%
2005	7,775,583	11,257,001	479,470	449,833	388,507	2,493,173	2,626,114	48,347	25,518,028	4.13%
2004	7,125,043	9,771,887	386,609	492,125	176,125	2,382,639	2,102,972	2,068,163	24,505,563	14.45%
2003	7,387,014	8,189,445	474,108	488,167	353,600	2,360,862	2,124,136	34,179	21,411,511	-0.76%
2002	7,167,596	8,779,401	378,286	373,668	564,395	2,262,092	2,003,265	46,470	21,575,173	-4.65%
2001	6,206,774	10,117,280	542,035	359,075	1,010,647	2,148,392	2,211,277	31,154	22,626,634	10.96%
2000	5,612,788	8,348,359	1,197,875	342,926	490,100	1,984,250	2,090,657	325,267	20,392,222	8.86%

(1) Includes collection of current and delinquent real estate taxes, interest, penalties and public service corporation taxes. Offset by tax relief for elderly/ handicapped.

(2) Includes the following taxes/fees - consumer utility, public right-of-way use, cigarette, transient lodging, bank stock, cable TV franchise fees, BPOL licenses,

(3) Includes building inspection permits, planning and zoning fees.

(4) Includes recreation program fees and charges, commercial refuse and residential recycling fees, and reimbursements from the Water and Sewer Fund, Cemetery Fund,

(5) Includes grants and reimbursements from federal, state and county agencies, Town's share of ABC Profits and Wine Taxes, Police Reimbursement (Section 599 funding)

(6) First full year of rental income from the "commercial side" of 397 Herndon Parkway. Also includes interest earnings of \$580,490.

(7) Includes sale of property at 1021 Elden Street to Extended Stay America for \$2.0 million.

(8) Includes \$985,515 in interest earnings.

(9) Building permits and inspections fees collected totaled \$950,139.

(10) Includes \$150,000 cash settlement from Colonial Pipeline for 1993 environmental damages to Sugarland Run stream.

(11) Compared to FY 1999.



Table 3

**TOWN OF HERNDON, VIRGINIA**  
**TEN YEAR HISTORY OF GENERAL FUND EXPENDITURES AND OTHER USES BY FUNCTION**  
**FISCAL YEARS 2000 - 2009**

<u>FISCAL YEAR</u>	<u>Legislative</u>	<u>Administrative</u>	<u>Finance</u>	<u>Community Development</u>	<u>Police</u>	<u>Public Works</u>
2009	\$ 651,245	\$ 2,443,752	\$ 1,291,102	\$ 1,853,933 (1)	\$ 8,662,952	\$ 9,049,695
2008	660,310	2,621,611	1,263,648	1,647,157	8,426,430	8,281,419
2007	659,583	2,463,940	1,177,062	1,679,530 (1)	7,787,327	8,132,036
2006	605,038	2,373,380	1,137,903 (2)	1,479,769 (3)	7,209,795	7,452,737
2005	581,659 (4)	2,181,253 (4)	1,022,423	1,269,554 (3)	6,588,415	7,139,428 (5)
2004	329,467	2,230,922	962,466	1,083,711	6,255,393	6,358,797
2003	299,493	2,108,961	954,516 (1)	1,059,962 (3)	6,006,019 (6)	6,396,481
2002	271,060	1,914,165	817,737	930,679	5,426,451	6,020,388
2001	266,580	1,726,440 (7)	765,928	852,636 (8)	5,185,408	5,893,486
2000	252,679	1,537,485	712,516	726,421	4,595,242	5,433,188

  

<u>FISCAL YEAR</u>	<u>Town Attorney</u>	<u>Parks and Recreation</u>	<u>Debt Service</u>	<u>Grants</u>	<u>Totals</u>	<u>Increase or (Decrease) from Prior Year</u>
2009	\$ 522,946 (9)	\$ 3,896,866	\$ 2,514,765	\$ 169,494	\$ 31,056,750	2.95%
2008	455,322 (9)	3,922,569	2,817,735	70,741	30,166,942	4.93%
2007	390,529	3,628,248	2,618,763	213,168	28,750,186	7.08%
2006	415,617 (9)	3,353,890	2,578,862	241,986	26,848,977	8.75%
2005	350,048	3,141,800	2,335,249 (10)	79,212	24,689,041	9.60%
2004	321,597	3,075,665	1,812,708	95,391	22,526,117	1.98%
2003	301,253	2,923,457	2,021,903	17,301	22,089,346	7.58%
2002	294,603	2,862,638	1,985,692	9,119	20,532,532	5.23%
2001	268,611	2,709,061 (11)	1,828,742	14,522	19,511,414	10.19%
2000	263,987	2,410,030	1,773,851	1,506	17,706,905	10.74%

(1) Positions that were vacant during the previous fiscal year were filled.

(2) New additional full-time position authorized. Insurance premiums for property, general liability and auto coverages increased 20 percent over FY 2004 amounts.

(3) Additional authorized positions for zoning enforcement division were filled during the year.

(4) Budget (and payment) of town grants to outside organizations transferred from Administration to Legislative.

(5) Annual street repaving program deferred from budget year to following fiscal year.

(6) Three new police officer positions authorized for department were filled during the year.

(7) Management Analyst and Public Information Officer positions authorized for administration.

(8) New Office Assistant position authorized for Community Development. Expenditures also included NVRC assistance with Downtown charrette.

(9) Additional outside attorney costs incurred to assist with inter-jurisdictional issues and other topics.

(10) First principal payment on December 2003 bond issue.

(11) Two part-time positions upgraded to full-time; two seasonal positions converted to part-time; and enhancements added to recreational offerings.

Table 4

**TOWN OF HERNDON, VIRGINIA**  
**SEVEN YEAR PROJECTION OF REAL ESTATE TAX REVENUES**  
**FISCAL YEARS 2010 - 2016**

FISCAL YEAR	ASSESSED VALUATION		TAX RATE	TAX LEVY		% LEVY COLLECTED	PROJECTED TOTAL REAL ESTATE TAXES COLLECTED AMOUNT		REVENUE INCREASE OVER PRIOR FISCAL YEAR
	AMOUNT	% CHANGE		AMOUNT	% CHANGE		COLLECTED	% CHANGE	
2010	1/ \$ 3,884,653,450	2/ -15.61%	\$ 0.2600	\$ 10,100,099	-8.58%	99.80%	\$ 10,079,899	-8.58%	\$ (946,001)
2011	3/ 3,288,699,460	-15.34%	0.2675	8,797,271	-12.90%	99.80%	8,779,677	-12.90%	(1,300,222)
2012	3,338,029,952	1.50%	0.2675	8,929,230	1.50%	99.80%	8,911,373	1.50%	131,696
2013	3,471,551,150	4.00%	0.2675	9,286,399	4.00%	99.80%	9,267,823	4.00%	356,450
2014	3,645,128,707	5.00%	0.2675	9,750,719	5.00%	99.80%	9,731,214	5.00%	463,391
2015	3,900,287,717	7.00%	0.2675	10,433,270	7.00%	99.80%	10,412,399	7.00%	681,185
2016	4,173,307,857	7.00%	0.2675	11,163,599	7.00%	99.80%	11,141,267	7.00%	728,868

1/

Assessment at January 1, 2009, as reported by the Department of Taxation Administration, Fairfax County (FY 2009 assessment base).

2/

Percentage decrease compared to assessment of January 1, 2008 (FY 2009 assessment base).

3/

Assessment at January 1, 2010, as reported by the Department of Taxation Administration, Fairfax County (FY 2011 assessment base).

Table 5

**TOWN OF HERNDON, VIRGINIA**  
**SEVEN YEAR PROJECTION OF GENERAL FUND REVENUES**  
**FISCAL YEARS 2010 - 2016**

<u>FISCAL YEAR</u>	<u>General Property Taxes (1)</u>	<u>Other Local Taxes (2)</u>	<u>Permits, Fees and Regulatory Licenses (3)</u>	<u>Fines (4)</u>	<u>Revenue from Use of Money and Property (5)</u>	<u>Charges for Services (6)</u>	<u>Intergov't Reimburse (7)</u>	<u>Miscellaneous</u>	<u>Totals</u>	<u>Percentage Increase or (Decrease) from Prior Fiscal Year</u>
(8) 2010	\$ 10,497,020	\$ 11,900,100	\$ 289,500	\$ 597,020	\$ 815,900	\$ 3,387,780	\$ 2,615,710	\$ 66,100	\$ 30,169,130	-3.14%
(9) 2011	9,197,970	11,965,500	380,100	628,170	815,900	3,355,100	2,561,290	49,350	28,953,380	-4.03%
2012	9,342,215	12,304,810	387,702	640,733	844,457	3,422,202	2,561,290	50,337	29,553,746	2.07%
2013	9,711,590	12,773,954	399,333	653,548	874,012	3,490,646	2,612,516	51,847	30,567,447	3.43%
2014	10,188,294	13,284,912	415,306	669,887	904,603	3,595,365	2,690,891	53,921	31,803,181	4.04%
2015	10,883,192	13,882,734	433,995	686,634	936,264	3,739,180	2,798,527	56,078	33,416,604	5.07%
2016	11,626,184	14,507,457	453,525	703,800	969,033	3,888,747	2,910,468	58,321	35,117,535	5.09%

(1)  
Includes current and projected real estate taxes (offset by estimate for elderly/ handicapped real estate tax relief), delinquent collections, and public service corporation taxes.

(2)  
FY 2012 - FY 2016 assumes percentage growth rates of 2.0 to 4.5 percent during the period. Includes the following taxes/fees - consumer utility, public right-of-way, cigarette, transient lodging, bank stock, PEG portion of cable TV franchise, BPOL license, utility consumption, vehicle decal, sales, meals taxes and State 5% communications sales and use tax. Includes opening of two new hotels: Fairbrook Business Park in FY 2012 & Diamond Properties in FY 2014.

(3)  
FY 2012 - FY 2016 assumes percentage growth rates of 2.0 to 4.5 percent during the period. Includes planning, zoning and building inspections fees.

(4)  
FY 2012 - FY 2016 assumes average growth rates of 2.0 to 2.5 percent per year.

(5)  
FY 2012 - FY 2016 assumes average growth rates of 3.5 percent per year. Includes rental income from commercial leases at 397 Herndon Parkway.

(6)  
FY 2012 - FY 2016 assumes average growth rate of 2.0 to 4.0 percent per year. Includes parks and recreation revenues, franchise leases, recycling fees, and reimbursement of indirect service costs from Water & Sewer, Golf Course and Chestnut Grove Cemetery funds.

(7)  
FY 2012 - FY 2016 assumes an average 0 to 4.0 percent growth rate per year. Includes Fairfax County reimbursement for NRC, state reimbursements for police (HB 599 funds) and annual VDOT highway maintenance allocations as well as other minor recurring grants.

(8)  
FY 2010 Adopted Budget.

(9)  
FY 2011 Adopted Budget.

Table 6

**TOWN OF HERNDON, VIRGINIA**  
**SEVEN YEAR PROJECTION OF GENERAL FUND EXPENDITURES AND OTHER USES BY FUNCTION**  
**FISCAL YEARS 2010 - 2016**

<u>FISCAL YEAR</u>	<u>Legislative</u>	<u>Administrative</u>	<u>Community Development</u>	<u>Finance and Insurance</u>	<u>Public Works</u>	<u>Police</u>
2010 (1) \$	614,586	\$ 1,940,935	\$ 2,339,900	\$ 1,284,261	\$ 8,532,216	\$ 8,598,643
2011 (2)	590,760	1,847,940	2,194,400	1,204,410	8,333,520	8,279,780
2012 (3)	611,437	1,912,618	2,271,204	1,246,564	8,583,526	8,569,572
2013	635,894	1,989,123	2,362,052	1,296,427	8,883,949	8,912,355
2014	661,330	2,068,688	2,456,534	1,348,284	9,239,307	9,268,849
2015	694,396	2,172,122	2,579,361	1,415,698	9,655,076	9,732,292
2016	729,116	2,280,728	2,708,329	1,486,483	10,089,554	10,218,906

<u>FISCAL YEAR</u>	<u>Town Attorney</u>	<u>Parks and Recreation</u>	<u>Debt Service</u>	<u>Totals</u>	<u>Percentage Increase or (Decrease) from Prior Fiscal Year</u>
2010 (1) \$	431,771	\$ 3,876,344	\$ 2,654,624 (4)	\$ 30,273,280	-2.52% (5)
2011 (2)	460,130	3,684,890	2,517,750	29,113,580	-3.83%
2012 (3)	476,235	3,795,437	2,180,489	29,647,081	1.83%
2013	495,284	3,928,277	2,305,523	30,808,884	3.92%
2014	515,095	4,085,408	2,281,620	31,925,115	3.62%
2015	540,850	4,269,251	1,748,357	32,807,403	2.76%
2016	567,893	4,461,368	1,733,133	34,275,511	4.47%

(1) FY 2010 Adopted Budget

(2) FY 2011 Adopted Budget

(3) Projected expenditures for FY 2012 through FY 2016 based on average annual increases of 3.0% to 5.0%.

(4) Debt s (See Table 7 for further details.)

(5) Percentage increase from audited FY 2009 expenditures which totaled \$31,056,750.

Table 7

**TOWN OF HERNDON, VIRGINIA  
TOTAL OBLIGATED AND PROPOSED DEBT SERVICE EXPENDITURES  
INCLUDING CAPITAL LEASE PAYMENTS  
FY 2010 - FY 2030**

<u>Fiscal Year</u>	<u>General Obligation Bonds (1)</u>			<u>Capital Leases (2)</u>		<u>Total Debt Service All Funds</u>
	<u>General Fund</u>	<u>Golf Course Fund</u>	<u>Cemetery Fund</u>	<u>General Fund</u>	<u>Water and Sewer Fund</u>	
2010	\$ 2,344,773	\$ 144,044	\$ 219,082	\$ 202,500	\$ -	\$ 2,910,399
2011	2,486,500	132,790	193,326	31,250	-	2,843,866
2012	2,019,989	152,313	195,581	160,500	-	2,528,383
2013	2,145,023	153,607	197,572	160,500	-	2,656,702
2014	2,121,120	153,353	198,340	160,500	-	2,633,313
2015	1,587,857	154,250	190,073	160,500	-	2,092,680
2016	1,572,633	153,547	196,613	160,500	-	2,083,293
2017	1,581,584	153,982	197,553	160,500	-	2,093,619
2018	1,580,965	154,067	198,367	-	-	1,933,399
2019	1,577,800	154,095	197,732	-	-	1,929,627
2020	1,577,405	153,790	196,761	-	-	1,927,956
2021	1,578,225	153,306	195,451	-	-	1,926,982
2022-2030	<u>6,043,349</u>	<u>137,692</u>	<u>832,804</u>	<u>-</u>	<u>-</u>	<u>7,013,845</u>
Total	<u>\$ 28,217,225</u>	<u>\$ 1,950,836</u>	<u>\$ 3,209,255</u>	<u>\$ 1,196,750</u>	<u>\$ -</u>	<u>\$ 34,574,066</u>

(1)  
Includes principal and interest on current bond issues.

(2)  
Includes principal and interest on current and proposed capital lease/ purchase borrowing for select vehicles and equipment.

Town Manager Recommended

Table 8

**TOWN OF HERNDON, VIRGINIA  
GENERAL FUND PROJECTION OF CAPITAL FINANCING POTENTIAL  
FISCAL YEARS 2010 - 2016**

<u>GENERAL FUND ITEM</u> (1)	<u>Adopted Budget FY 2010</u>	<u>Adopted Budget FY 2011</u>	<u>Projected FY 2012</u>	<u>Projected FY 2013</u>	<u>Projected FY 2014</u>	<u>Projected FY 2015</u>	<u>Projected FY 2016</u>	<u>Total for CIP Period FY 2011 - FY 2016</u>
Projected Recurring Revenues	\$ 30,169,130	\$ 28,953,380	\$ 29,553,746	\$ 30,567,447	\$ 31,803,181	\$ 33,416,604	\$ 35,117,535	\$ 189,411,892
LESS: Projected Operating Expenditures and Debt Service (2)	<u>(30,273,280)</u>	<u>(29,113,580)</u>	<u>(29,647,081)</u>	<u>(30,808,884)</u>	<u>(31,925,115)</u>	<u>(32,807,403)</u>	<u>(34,275,511)</u>	<u>(188,577,574)</u>
Net Resources Available for Funding Capital Projects/ Capital Equipment	<u>(104,150)</u>	<u>(160,200)</u>	<u>(93,335)</u>	<u>(241,437)</u>	<u>(121,935)</u>	<u>609,200</u>	<u>842,024</u>	<u>834,318</u>
FY 2010-2016 CIP Summary - GF & DT Parking	<u>(1,907,000)</u>	<u>(4,453,000)</u>	<u>(4,355,000)</u>	<u>(2,642,000)</u>	<u>(1,684,000)</u>	<u>(950,000)</u>	<u>(935,000)</u>	<u>(15,991,000)</u>
<u>One-Time Financing Sources</u>								
Sale of Land, Use of Proffers and Other One-Time Revenues (3)	528,000	315,000	130,000	125,000	100,000	TBD	TBD	670,000
Capital Grants (3)	1,104,000	1,958,000	1,568,000	218,000	418,000	TBD	TBD	4,162,000
Capital Lease/ Purchase	275,000	407,200	878,000	280,000	185,000	210,000	85,000	2,045,200
Use (Return) of GF Undesignated Fund Balance (4)	104,150	200,000	TBD	TBD	TBD	TBD	TBD	200,000
G.O. Bond Proceeds	<u>-</u>	<u>1,733,000</u>	<u>642,000</u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>
Difference between Net Resources Available and Total CIP and Operating Costs:	<u>\$ -</u>	<u>\$ (0)</u>	<u>(\$1,230,335)</u>	<u>(\$2,260,437)</u>	<u>(\$1,102,935)</u>	<u>(\$130,800)</u>	<u>(\$7,976)</u>	<u>(\$4,724,506)</u>

(1) Amount reflects totals contained in Table 5.

(2) Amount reflects totals contained in Table 6.

(3) Anticipated additional revenues (proffers; sale of assets, and other one-time miscellaneous sources) not included in Table 5.

(4) Analysis includes Town's current fiscal policy concerning the General Fund Undesignated Fund Balance, which must contain, at a minimum, \$3,614,135 at the beginning of FY 2017. This is equivalent to 10 percent of estimated FY 2017 operating and debt service expenditures. Also assumes that additional undesignated fund balance will be available over the period due to actual expenditures averaging 99.8 percent of corresponding budget. As of June 30, 2009, the Town's General Fund undesignated fund balance was \$5,572,879. (See page 21, Exhibit A-3, FY 2009 CAFR, under "General Fund").  
In addition to the General Fund undesignated fund balance, there is \$240,000 of the \$2,316,392 contained in the Capital Projects Fund undesignated fund balance which is also available as a funding source. (See page 21, Exhibit A-3, FY 2009 CAFR, under "Capital Projects"). This is included under the first category - "sale of land, use of proffers, etc.".

### **III. ACTIVE CIP PROJECTS USING RESERVE FUNDS**

## FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM

## List of Active Capital Improvement Projects Using Reserve Funds

<u>Project Name</u>	<u>DPW #</u>	<u>Reserves</u>
Automated Traffic Signal Control	713	\$14,000
Bus Stop Shelters	817	\$27,000
Nash Street Improvements	925	\$5,000
Stormwater Management Program	722	\$5,000
Town Hall Rehabilitation	081	\$52,000
Town Depot	30	\$62,000
Traffic Signal Improvements	10	\$53,000
Skateboard Facility		\$138,000
Van Buren Median		\$65,000
		<hr/> \$421,000



## **IV. CIP PROGRAM SUMMARY SPREADSHEETS**

## TOWN OF HERNDON FY2011- FY2016 CIP SUMMARY: General Fund Projects

Consecutive numbering corresponds to page numbers in Section V-CIP Project Descriptions

Consecutive numbering corresponds to page numbers in Section V-CIP Project Descriptions					Budget Year 10-2011	All figures represent dollars in thousands							Estimated Total Cost 1b
Project No.	Class	Dept.	Project Title		Estimated Reserves 1a	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond		
A. Proposed General Fund Projects													
1	11-PR-90-003	Parks/Playgrounds	Parks & Rec.	Sports Field and Park Improvements	110	0	700	0	0	0	0	810	
2	11-PR-00-002	Parks/Playgrounds	Parks & Rec.	Folly Lick/Spring Branch Regional Trail	0	0	125	20	690	0	0	835	
3	11-PR-90-014	Parks/Playgrounds	Parks & Rec.	Runnymede Park	0	0	0	0	0	0	2,560	2,560	
4	11-PR-92-001	Parks/Playgrounds	Parks & Rec.	Haley M. Smith Park	0	0	30	150	0	0	0	180	
5	11-PR-07-001	Parks/Playgrounds	Parks & Rec.	Bready Park Tennis Court Renovation	0	0	0	120	0	0	0	120	
6	11-PR-06-001	Parks/Playgrounds	Parks & Rec.	W&OD Trail Lighting - Downtown	30	0	120	205	0	0	0	355	
7	11-PR-07-002	Parks/Playgrounds	Public Works	Stream Bank Stabilization Program	10	0	200	85	75	50	25	510	
8	11-PR-07-003	Parks/Playgrounds	Parks & Rec.	Park Equipment Replacement Program	0	0	0	150	0	0	0	150	
9	09-BD-08-003	Buildings	Parks & Rec.	Herndon Community Center - Phase 5	0	0	0	0	75	0	TBD	75	
10	09-PR-98-002	Buildings	Comm. Dev.	Arts Center 1c	0	0	0	0	0	0	0	0	
11	03-ST-97-001	Streets	Comm. Dev.	East Elden Street - Van Buren Street to Fairfax County Parkway 1d	3	0	0	0	7	0	0	10	
12	03-CD-08-002	Streets	Comm. Dev.	Pedestrian and Vehicle Access to Herndon Rail Station	0	TBD	TBD	TBD	TBD	TBD	0	0	
13	03-ST-96-001A	Streets	Public Works	Downtown Streets Improvements	876	290	272	272	272	0	0	1,982	
14	13-ST-96-002	Streets	Public Works	Station Street Improvements	85	1,466	0	0	0	0	0	1,551	
15	03-ST-97-004	Streets	Public Works	Park-Monroe Intersection Improvements	40	0	1,400	0	0	0	0	1,440	
16	03-ST-00-001	Streets	Public Works	Elden - Center Streets Intersection Improvements	100	0	80	930	0	0	0	1,110	
17	10-CD-98-002	Grounds	Public Works	Gateway and Downtown Wayfinder Signs	42	0	TBD	TBD	TBD	0	0	42	
18	15-TS-96-001	Vehicles/Equipment	Public Works	GSA - Major Vehicle/Equipment Replacement	0	282	265	280	185	210	85	1,307	
19	03-ST-94-003	Streets	Public Works	Streetlights	100	0	65	50	30	TBD	TBD	245	
20	03-ST-06-002	Streets	Public Works	Pearl, Nash, Oak, Wood Street Improvements	0	1,000	0	0	0	0	0	1,000	
21	05-SM-96-001	Storm Drainage	Public Works	Storm Drainage Improvements	175	25	30	40	75	50	150	545	
22	09-BD-04-001	Buildings	Public Works	Buildings - Major Maintenance	45	200	415	230	230	640	675	2,435	
23	03-CD-08-001	Streets	Public Works	Sidewalk and Minor Trails	105	45	40	60	45	TBD	TBD	295	
24	02-CD-08-001	Traffic Control	Public Works	Herndon Pkwy Intersections/Major Transportation Improvements	760	500	TBD	TBD	TBD	TBD	0	1,260	
25	03-ST-05-002	Streets	Public Works	W&OD Trail Crossing Improvements	563	0	TBD	0	0	0	0	563	
26	03-ST-01-001	Streets	Public Works	Dranesville Road Improvements	0	450	0	0	0	0	0	450	
27	03-ST-11-001	Streets	Public Works	Downtown Utility Relocation	800	0	0	0	0	0	0	800	
28	16-IT-97-001	Information Tech.	Info. Tech.	Information Technology	0	195	613	50	TBD	TBD	TBD	858	
TOTAL					3,844	4,453	4,355	2,642	1,684	950	935	21,488	

<sup>1a</sup> Estimated Reserves (Prepared January, 2010) reflect project funding available on July 1, 2010. May include prior Reserve amounts and FY2010 budget allocations that are unencumbered.<sup>1b</sup> Reflects estimated project cost funded by general fund sources, see individual project sheets for details and for federal, state, and other non-town funding sources.<sup>1c</sup> Project has the potential of being absorbed into a redevelopment project, where the town may not have to fund the project as shown.<sup>1d</sup> Project is supported to a significant degree by approved or pending state, federal or other grant funding and those funds are not shown here.

## TOWN OF HERNDON FY2011 - FY2016 CIP SUMMARY: ENTERPRISE FUNDS

Consecutive numbering corresponds to page numbers in Section V-CIP Project Descriptions

All figures represent dollars in thousands

Project No.   Class   Dept.   Project Title					Estimated Reserves la	Budget Year 10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	Estimated Total Cost 1b
B. Proposed Golf Course Fund Projects													
29	09-GC-96-003	Buildings	Golf Course	Clubhouse Expansion - Phase Three	0	0	0	0	80	0	0	TBD	80
30	10-GC-96-005	Grounds	Golf Course	Golf Course Master Plan Improvements	0	0	0	160	0	0	216	439.9	815.9
TOTAL- GOLF COURSE FUND					0	0	0	160	80	0	216	439.9	895.9
C. Proposed Water and Sewer Fund Projects													
31	12-WS-96-001	Water	Public Works	General Water Maintenance & Replacement	756	0	345	278	301	321	370	304	2675
32	12-SS-96-003	Sanitary Sewer	Public Works	Sewer Main Reconstruction & Replacement	20	60	275	275	155	70	100	50	1005
33	12-WS-99-001	Finance	Public Works	Automated Meter Reading System	350	50	0	170	170	160	0	0	900
34	12-WS-01-001	Water/Sewer	Public Works	Utility Capacity Study	0	30	0	0	0	0	0	0	30
TOTAL- WATER AND SEWER FUND					1126	140	620	723	626	551	470	354	4610
D. Proposed Downtown Parking Fund Projects													
35	13-CD-98-003	Downtown Dev.	Comm. Dev.	Surface Parking Lots	549	0	0	0	0	0	0	0	549
36	13-CD-00-001	Downtown Dev.	Comm. Dev.	Station Street Parking Garage 1c	0	0	0	0	0	0	0	0	0
TOTAL- DOWNTOWN PARKING FUND					549	0	0	0	0	0	0	0	549
E. Proposed Cemetery Fund Projects													
							No Proposed Projects During this CIP Cycle						
TOTAL- CEMETERY FUND					0	0	0	0	0	0	0	0	0

<sup>1a</sup> Estimated Reserves reflects the best estimate of town funding available to support the project on July 1, 2010. (Estimate prepared January, 2010.)  
(May include prior Reserve amounts and FY2010 budget allocations that are unencumbered.)

<sup>1b</sup> Reflects estimated total project cost, see individual project sheets for details and for federal, state, and other non-town funding sources.

<sup>1c</sup> Project has the potential of being absorbed into a redevelopment project, where the town may not have to fund the project as shown.

## **V. CIP PROJECT DESCRIPTIONS**

## **A. GENERAL FUND PROJECTS**

# Sports Field and Park Improvements

Project Number: 11-PR-90-003

DPW# 803

## FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM

Project Class: Parks and Playgrounds

Department: Parks and Recreation

amounts indicated = dollars in thousands

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.	50								50
Construction and related services	60		700						760
Equipment/Furniture									0
<b>TOTAL</b>	<b>110</b>	<b>0</b>	<b>700</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>810</b>
<b>FINANCING SOURCES:</b>									
General Fund	10		50						60
G.O. Bonds									0
Intergovernmental Aid			350						350
Sports Contribution/Grants			200						200
Recreational Cash Proffers	100		100						200
<b>TOTAL</b>	<b>110</b>	<b>0</b>	<b>700</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>810</b>

<b>GENERAL FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations			18						18
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>

### PROJECT DESCRIPTION:

This proposal is to replace the Brady Park soccer field natural turf with synthetic grass. This project would redistribute field maintenance costs (i.e., eliminating mowing, irrigating, fertilizing, seeding and resodding) and increase field playability. Estimated costs to purchase a grooming machine and the appropriate goals, corner flags, etc. \$8-18,000. Grooming may average 2-6 hours per week during the "season".

Intergovernmental aid depends on Fairfax County Community Recreation Services and Park Authority grants in the application year. This figure does not include adding lights to the field.

**Folly Lick/Spring Branch Regional Trail**

Project Number: 11-PR-00-002

Project Class: Parks and Playgrounds

Department: Parks and Recreation

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM**

amounts indicated = dollars in thousands

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition				20					20
Architecture/Engin./Admin.			125						125
Construction and related services					690				690
Equipment/Furniture									0
<b>TOTAL</b>	0	0	125	20	690	0	0	0	<b>835</b>
<b>FINANCING SOURCES:</b>									
General Fund			125	20	390				535
G.O. Bonds									0
Intergovernmental Aid - Grants					200				200
Recreational Cash Proffers					100				100
Other									0
<b>TOTAL</b>	0	0	125	20	690	0	0	0	<b>835</b>

<b>GENERAL FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	<b>0</b>

**PROJECT DESCRIPTION:**

The Folly Lick/Spring Branch Trail begins at the existing regional trail located at the town's northern boundary near Monroe Street to Center Street. The town's project will develop a 3,000 foot segment of the Folly Lick/Spring Branch Trail between Herndon Parkway and Park Avenue, utilizing the signalized crossing at Herndon Parkway and Monroe Streets.

In FY2010, concept design was completed and construction information was gathered to apply for construction grants. Easement acquisition is necessary.

**Runnymede Park**

Project Number: 11-PR-90-014

DPW# 801

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM**

Project Class: Parks and Playgrounds

Department: Parks and Recreation

*amounts indicated = dollars in thousands*

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.								100	100
Construction and related services								2153	2153
Equipment/Furniture								307	307
<b>TOTAL</b>	0	0	0	0	0	0	0	2560	<b>2560</b>
<b>FINANCING SOURCES:</b>									
General Fund									0
G.O. Bonds								2560	2560
Intergovernmental Aid									0
Other									0
Other									0
<b>TOTAL</b>	0	0	0	0	0	0	0	2560	<b>2560</b>

<b>GENERAL FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations								75	75
<b>TOTAL</b>	0	0	0	0	0	0	0	75	<b>75</b>

**PROJECT DESCRIPTION:**

Runnymede Park is a natural park in Herndon. The town adopted the Runnymede Park Master Plan in 1991 and a resource management plan as well as a conceptual site plan for the park on March 13, 2001. Park improvements shall include a nature center, picnic shelters, an upgraded parking lot and roadway, along with other amenities approved under the resource management plan. The first phase of the project, to include a new entrance, parking area, infrastructure improvements and picnic shelter, was completed in the spring of FY07.

The personnel and operation costs are projected to increase approximately 4% annually. It is anticipated that the center will need an additional full-time and one new part-time staff position to accommodate schedules and programs.



**Haley M. Smith Park**

Project Number: 11-PR-92-001

DPW# 702

Project Class: Parks and Playgrounds

Department: Parks and Recreation

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM***amounts indicated = dollars in thousands*

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.			30						30
Construction and related services				150					150
Equipment/Furniture									0
<b>TOTAL</b>	0	0	30	150	0	0	0	0	180
<b>FINANCING SOURCES:</b>									
General Fund			30	150					180
G.O. Bonds									0
Intergovernmental Aid									0
Other									0
Other									0
<b>TOTAL</b>	0	0	30	150	0	0	0	0	180

<b>GENERAL FUND OPERATING IMPACT:</b>									
Capital Cost									0
Debt Service									0
Personnel/Operations				2	2	2			6
<b>TOTAL</b>	0	0	0	2	2	2	0	0	6

**PROJECT DESCRIPTION:**

This project provides for the construction of a service facility at Haley M. Smith Park, as described in the park's master plan. The facility will be a 700 square foot building that will include restrooms, concessions, and equipment storage. The facility will replace the use of portable restrooms and, more importantly, will provide on-site storage of maintenance equipment and supplies to support the youth activities occurring in the park.

Design is scheduled for FY2012 and construction is to follow in FY2013. Maintenance of this facility is anticipated to cost \$2,000 annually.

Interest has been expressed from Optimist sports league(s) to contribute financially to this project.

**Bready Park Tennis Court Renovation**

Project Number: 11-PR-07-001

Project Class: Parks and Playgrounds

Department: Parks and Recreation

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM***amounts indicated = dollars in thousands*

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services				120					120
Equipment/Furniture									0
<b>TOTAL</b>	0	0	0	120	0	0	0	0	120
<b>FINANCING SOURCES:</b>									
General Fund				120					120
G.O. Bonds									0
Intergovernmental Aid									0
Other									0
Other									0
<b>TOTAL</b>	0	0	0	120	0	0	0	0	120

<b>GENERAL FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	0

**PROJECT DESCRIPTION:**

The project provides for the renovation of the Bready Park tennis courts. The existing courts were renovated in the mid 1990's and the outdoor courts developed significant cracking from the winter freeze and thaw. In the fall of 2006, a significant crack repair process was implemented that was thought could extend the life of the existing courts up to 5 years however fully renovating the courts will be needed no later than FY2013. It is proposed to renovate the courts with a rubberized surface that can withstand winter freezing impacts.

**W&OD Trail Lighting - Downtown**

Project Number: 11-PR-06-001

Project Class: Parks and Playgrounds

Department: Parks and Recreation

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM**

amounts indicated = dollars in thousands

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.	30								30
Construction and related services			120	205					325
Equipment/Furniture									0
<b>TOTAL</b>	30	0	120	205	0	0	0	0	355
<b>FINANCING SOURCES:</b>									
General Fund			20	80					100
G.O. Bonds									0
Intergovernmental Aid - Grant			100						100
Recreational Cash Proffers	30			125					155
Other									0
<b>TOTAL</b>	30	0	120	205	0	0	0	0	355

<b>GENERAL FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations			3	5	5	5	6		24
<b>TOTAL</b>	0	0	3	5	5	5	6	0	24

**PROJECT DESCRIPTION:**

The W&OD Trail lighting project will provide for night use of the W&OD Trail between Ferndale Avenue and Van Buren Street. With significant residential development along the trail, it has become another route to access downtown Herndon. Additional downtown development will create additional demand for the use of the trail, and adding lighting will improve pedestrian safety. The town will need to enter into an agreement with the Northern Virginia Regional Park Authority to provide nighttime lighting.

The project is shown to be financed with \$30,000 in reserve proffers, \$100,000 from the Darlington Oaks project, \$25,000 from the Diamond, LLC. project, and grant funds.

**Stream Bank Stabilization Program**

Project Number: 11-PR-07-002

Project Class: Parks and Playgrounds

Department: Public Works

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM***amounts indicated = dollars in thousands*

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.	10								10
Construction and related services			200	85	75	50	25	65	500
Equipment/Furniture									0
<b>TOTAL</b>	10	0	200	85	75	50	25	65	510
<b>FINANCING SOURCES:</b>									
General Fund	10		200	85	75	50	25	65	510
G.O. Bonds									0
Intergovernmental Aid									0
Other									0
Other									0
<b>TOTAL</b>	10	0	200	85	75	50	25	65	510

<b>GENERAL FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	0

**PROJECT DESCRIPTION:**

This program is designed to assess the quality of the town's stream banks and establish a comprehensive stream bank stabilization/restoration program. Urbanization and storm water drainage systems have contributed to erosion and damage to the stream banks. A program was developed that identified ten stream reaches for mitigation measures.

The ten projects in the program are listed and scheduled as shown below:

FY2012 Sugarland Run - 5 projects south of Elden Street  
 FY2013 Spring Branch - adjacent to Ballou Street near intersection with 1st Phase  
 FY2014 Sugarland Run Tributary - east of Queens Row  
 FY2015 Folly Lick - west of homes near end of Monroe Street  
 FY2016 Folly Lick Tributary - east of Golf Course maintenance facility  
 Beyond Folly Lick - near the end of Burwick Drive

**Park Equipment Replacement Program**

Project Number: 11-PR-07-003

Project Class: Parks and Playgrounds

Department: Parks and Recreation

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM***amounts indicated = dollars in thousands*

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services				150					150
Equipment/Furniture									0
<b>TOTAL</b>	0	0	0	150	0	0	0	0	150
<b>FINANCING SOURCES:</b>									
General Fund				150					150
G.O. Bonds									0
Intergovernmental Aid									0
Other									0
Other									0
<b>TOTAL</b>	0	0	0	150	0	0	0	0	150

<b>GENERAL FUND OPERATING IMPACT:</b>									
Capital Costs				150					150
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	0	0	0	150	0	0	0	0	150

**PROJECT DESCRIPTION:**

This program provides for the replacement of play equipment in the town's parks in order to meet current playground safety standards. Equipment replacement is scheduled on a 15-year replacement schedule for playground equipment. Haley Smith Park, Trailside Park, and Bready Park are scheduled for replacement in FY2013.

**Herndon Community Center - Phase 5**

Project Number: 09-BD-08-003

Project Class: Buildings

Department: Parks and Recreation

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM**

amounts indicated = dollars in thousands

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.					75				75
Construction and related services								TBD	0
Equipment/Furniture									0
<b>TOTAL</b>	0	0	0	0	75	0	0	TBD	75
<b>FINANCING SOURCES:</b>									
General Fund					75			TBD	75
G.O. Bonds									0
Intergovernmental Aid									0
Other									0
Other									0
<b>TOTAL</b>	0	0	0	0	75	0	0	TBD	75

<b>GENERAL FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	0

**PROJECT DESCRIPTION:**

The Phase 5 expansion project is a 12,000 square foot second story addition to the Herndon Community Center. This expansion will enhance the quality of existing operations by improving the fitness and instructional areas, multi-purpose space and storage space. The project will also include renovation of the locker room areas. The previous expansion included foundation support, locations for stairwells, elevators and floor structures.

FY2014 funding is for design concept development and the development of a budgetary cost estimate. A & E costs are estimated at current rates, however volatility of construction costs and fluctuation of market rates over an extended period of years does not lend itself to projecting construction costs this far in advance, as the project is scheduled in an undesignated year after FY2015.

**Arts Center**

Project Number: 09-PR-98-002

DPW# 805

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM**

Project Class: Buildings

Department: Community Development

amounts indicated = dollars in thousands

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services									0
Equipment/Furniture									0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	0
<b>FINANCING SOURCES:</b>									
General Fund									0
G.O. Bonds									0
Intergovernmental Aid									0
Other									0
Other									0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	0

<b>GENERAL FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	0

**PROJECT DESCRIPTION:**

By Resolution of September 26, 2006, the Town Council sought an arts center that could be constructed within a larger building, as part of a public-private project. The arts center was redefined as a flexible multi-use theater with seating for 250 persons, quality finishes and support areas such as a lobby, set storage, backstage areas, a community television studio, rest rooms and related features. The total size of the project was adjusted to approximately 10,000 - 12,000 square feet of floor area.

The draft Downtown Master Plan of December 2009 identifies two possible locations for an arts center on existing town property. The plan is expected to be adopted in the spring of 2010. The reduced density in the draft master plan options implies that the town is less likely to see proposals for developer funding and construction of an arts center as was the case with project proposals received in recent years. Private fundraising is an alternate possibility.

**East Elden Street - Van Buren Street to Fairfax County Parkway**

Project Number: 03-ST-97-001

DPW# 706

Project Class: Streets

Department: Community Development

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM***amounts indicated = dollars in thousands*

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.	1891								1891
Construction and related services									0
Equipment/Furniture									0
<b>TOTAL</b>	1891	0	0	0	0	0	0	0	1891
<b>FINANCING SOURCES:</b>									
General Fund (local match)	3				7				10
State Bond Match	80								80
VDOT Urban Allocation FY08	823								823
TEA-21 (previous allocation)	378								378
RSTP	600		TBD	TBD	TBD	TBD	TBD	TBD	600
<b>TOTAL</b>	1884	0	TBD	TBD	7	TBD	TBD	TBD	1891

<b>GENERAL FUND OPERATING IMPACT:</b>									
Capital Costs	3		12	12	11	11	11	8	68
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	3	0	12	12	11	11	11	8	68

**PROJECT DESCRIPTION:**

This project will improve Elden Street, from Fairfax County Parkway to Van Buren Street, in accord with the Town Council resolution of October 13, 1998. Project elements include streetscape and median enhancements. Elden Street will be widened to a six-lane, divided section with a vegetated median strip between the Herndon and Fairfax County Parkways. This section will also include a separated grade crossing for the Sugarland Run Trail at Elden Street. From Herndon Parkway to Van Buren Street, the project will include a four-lane section with vegetated median strip with dedicated turning lanes. The project will make a transition down to two travel lanes west of Van Buren Street and approaching Monroe Street.

In 2006 with town approval, VDOT diverted \$1,164,536 in Urban Allocation funds from this project to the South Elden Street Improvement project, in order to begin construction and complete the S. Elden Street project. VDOT's FY2010 Six-Year Transportation Improvement Program (TIP) is the source for the above figures. Due to state financial constraints, VDOT's Six-Year TIP provides for zero (\$0) Urban Allocation funding for the town and towards all urban jurisdictions statewide. VDOT, however, has programmed preliminary engineering. The town anticipates seeking regional RSTP funding through the Northern Virginia Transportation Authority.



**Pedestrian and Vehicle Access to Herndon Rail Station****FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM**

Project Number: 3-CD-08-002

Project Class: Streets

Department: Community Development

amounts indicated = dollars in thousands

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services									0
Equipment/Furniture									0
<b>TOTAL</b>	0	TBD	TBD	TBD	TBD	TBD	TBD		0
<b>FINANCING SOURCES:</b>									
General Fund									0
G.O. Bonds									0
Intergovernmental Aid									0
Other									0
Other									0
<b>TOTAL</b>	0	TBD	TBD	TBD	TBD	TBD	TBD		0

<b>PARKING FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	0	0	0	0	0	0	TBD		TBD

**PROJECT DESCRIPTION:**

This project will provide improvements to create better pedestrian and vehicular access in the vicinity of the north side of the Herndon Metrorail Station. It will include a pedestrian sidewalk connecting the intersection of Van Buren Street and Worldgate Drive with the Metrorail touch-down. This project will enhance station access with various additional pedestrian and bicycle facilities and links. Note that the Metrorail construction plans include a pedestrian flyover and elevators and escalators that touch down just inside the town southern boundary along the Dulles Toll Road. In addition, a sidewalk connecting approximately 450 feet between Herndon Parkway and the Metrorail touch-down is provided. However, no other pedestrian linkages are provided. As an interim measure, a drop-off lane is proposed for drivers to pull off of Herndon Parkway, stop and drop off Metrorail passengers in a safe manner. A full vehicular "Kiss & Ride" facility is anticipated in the future as part of private redevelopment.

The town anticipates that enhanced pedestrian and vehicle facilities will be funded through developer commitments associated with rezonings for redevelopment. According to the Metropolitan Washington Airports Authority, rail service in Phase 2 of the Silver Line may be available by 2016 and would extend the line from the Wiehle Avenue Station through Dulles International Airport to Route 772 in Loudoun County. A study is now being prepared to determine costs associated with elements of this project.

**Downtown Streets Improvements**

Project Number: 03-ST-96-001A

DPW# 715

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM**

Project Class: Streets

Department: Public Works

amounts indicated = dollars in thousands

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition	90								90
Architecture/Engin./Admin.									0
Construction and related services	713	363	272	272	272				1892
Equipment/Furniture									0
<b>TOTAL</b>	803	363	272	272	272	0	0	0	1982
<b>FINANCING SOURCES:</b>									
General Fund	234		54	54	54				396
G.O. Bonds									0
VDOT Enhancement Award (TEA-21)	642								642
VDOT Enhancement Award - <i>pending</i>		290							290
VDOT E.A. Application - <i>pending</i>			218	218	218				654
<b>TOTAL</b>	876	290	272	272	272	0	0	0	1982

<b>GENERAL FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	0

**PROJECT DESCRIPTION:**

This is a VDOT Enhancement Grant project to widen and enhance streetscapes with brick sidewalks, raised tree planter beds and other features consistent with the "Downtown Streetscape" standards.

A private sector project, Diamond L.L.C. hotel, will construct a large area of streetscape at the corner of Elden and Monroe Streets. Engineering work is needed to provide detailed plans, right of way estimates and construction costs for the remaining work. The town has submitted an additional Enhancement Grant application to VDOT for FY2011, which may provide sufficient funding for a Phase II project. Easement and right of way acquisition will be required.

**Station Street Improvements**

Project Number: 13-ST-96-002

DPW# 736

Project Class: Streets

Department: Public Works

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM***amounts indicated = dollars in thousands*

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition	65								65
Architecture/Engin./Admin.	20								20
Construction and related services		1466							1466
Equipment/Furniture									0
<b>TOTAL</b>	85	1466	0	0	0	0	0	0	1551
<b>FINANCING SOURCES:</b>									
General Fund	65								65
G.O. Bonds	20	733							753
Intergovernmental Aid									0
Revenue Sharing - VDOT		733							733
Other									0
<b>TOTAL</b>	85	1466	0	0	0	0	0	0	1551

<b>GENERAL FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	0

**PROJECT DESCRIPTION:**

This project will widen and improve Station Street, from Pine Street to Park Avenue. The Planning Commission and Town Council approved a concept and preliminary engineering plan during the early part of FY1998, after an extensive planning process, which included neighborhood involvement and several public hearings. Streetscape amenities, streetlights, curb, gutter, and local storm drainage improvements are part of this project.

Final design and land acquisition is to be completed in FY2010. Construction is scheduled to occur in FY2011. The town's revenue sharing application to VDOT was approved to fund a portion of the project in FY2011.

The Town Council authorized a \$3.035 million general obligation bond sale in December 2009, with \$733,000 of the issue to be used as the town's 50% match for this project.

**Park-Monroe Intersection Improvements**

Project Number: 03-ST-97-004

DPW# 814

Project Class: Streets

Department: Public Works

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM***amounts indicated = dollars in thousands*

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition	40								40
Architecture/Engin./Admin.									0
Construction and related services			1400						1400
Equipment/Furniture									0
<b>TOTAL</b>	<b>40</b>	<b>0</b>	<b>1400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1440</b>
<b>FINANCING SOURCES:</b>									
General Fund	40								40
G.O. Bonds			700						700
VDOT Revenue Sharing			700						700
Other									0
Other									0
<b>TOTAL</b>	<b>40</b>	<b>0</b>	<b>1400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1440</b>

**GENERAL FUND OPERATING IMPACT:**

Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**PROJECT DESCRIPTION:**

This is a street and drainage system improvement project which will extend mainly along Park Avenue and on both sides of the Monroe Street intersection. A major element of this project will involve the reconfiguration of the Monroe Street intersection with Park Avenue. Curb, gutter, sidewalk, and drainage improvements are anticipated.

Concept design and traffic analysis tasks have been completed. In 2000, alternative concept plans were presented to the public at Planning Commission and Town Council public hearings. Plans were taken back to the Town Council in early FY2010 for final approval of the concept. Project final design and land acquisition is expected to continue in FY2011. Construction is proposed for FY2012.

The Town Council authorized a \$3.035 million general obligation bond sale in December 2009, with \$700,000 of the issue to be used as the town's 50% match for this project.

**Elden - Center Streets Intersection Improvements**

Project Number: 03-ST-00-001

DPW# 011

Project Class: Streets

Department: Public Works

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM***amounts indicated = dollars in thousands*

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.	100		80						180
Construction and related services				930					930
Equipment/Furniture									0
<b>TOTAL</b>	100	0	80	930	0	0	0	0	1110
<b>FINANCING SOURCES:</b>									
General Fund									0
G.O. Bonds	100		80	930					1110
Intergovernmental Aid									0
Other									0
Other									0
<b>TOTAL</b>	100	0	80	930	0	0	0	0	1110

**GENERAL FUND OPERATING IMPACT:**

Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	0

**PROJECT DESCRIPTION:**

Center Street, from Station Street to Florida Avenue, is an important downtown street, and the segment, from Vine Street to Locust Street, is misaligned both horizontally and vertically. This project supports the redesign and reconstruction of this segment as well as the signalization of the Elden Street/Center Street intersection. Other enhancements such as sidewalk and storm drainage improvements will occur in conjunction with the realignment. Existing and future mixed use residential development on Center Street places greater traffic volumes in this project area.

**Gateway and Downtown Wayfinder Signs****FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM**

Project Number : 10-CD-98-002

DPW# 807

Project Class: Grounds

Department: Public Works

amounts indicated = dollars in thousands

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED PROJECT COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.	42								42
Construction and related services			TBD	TBD	TBD				0
Equipment/Furniture									0
<b>TOTAL</b>	42	0	TBD	TBD	TBD	0	0	0	42
<b>FINANCING SOURCES:</b>									
General Fund	42		TBD	TBD	TBD				42
G.O. Bonds									0
Intergovernmental Aid									0
Other									0
Other									0
<b>TOTAL</b>	42	0	TBD	TBD	TBD	0	0	0	42

<b>GENERAL FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	0

**PROJECT DESCRIPTION:**

To provide town entrance and downtown wayfinder signs. A design committee began working on the sign designs in FY2010. Costs will be determined based on the ARB approved designs. Right of way and underground utility issues need to be evaluated.

There are a total of 7 entrances into the town:

Dranesville Road  
E. Elden Street (existing monument sign to be replaced)  
S. Elden Street  
Crestview Drive

Sterling Road (existing monument sign to be replaced)  
Van Buren Street  
Spring Street

**GSA - Major Vehicle/Equipment Replacement****FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM**

Project Number: 15-TS-96-001

Project Class: Vehicles/Equipment

Department: Public Works

amounts indicated = dollars in thousands

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services									0
Equipment/Furniture		282	265	280	185	210	85		1307
<b>TOTAL</b>	0	282	265	280	185	210	85	0	1307
<b>FINANCING SOURCES:</b>									
General Fund									0
G.O. Bonds									0
Intergovernmental Aid (CMAQ)		125							125
Capital Leases		157	265	280	185	210	85		1182
Other									0
<b>TOTAL</b>	0	282	265	280	185	210	85	0	1307

<b>GENERAL FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	0

**PROJECT DESCRIPTION:**

This program replaces older town vehicles and major equipment over \$50K on a phased basis in concert with their expected useful life. Timely replacement of vehicles and equipment avoids excessive repair costs, unacceptable down time and unsafe levels of operation.

Procurement of vehicles and equipment is performed by IFB (Invitation For Bid) or use of state or local contracts. In FY2011, the following will be purchased:

410 John Deere Backhoe \$95,000

Tandem Axle Dump Truck - \$125,000 (clean fuel model supported by Congestion Mitigation for Air Quality grant funds)

Snow Blower - \$62,000

NOTE: THIS PROJECT SHEET WAS UPDATED AS TO FUNDING SOURCES AS DISCUSSED WITH TOWN COUNCIL AT THE JUNE 1, 2010 WORK SESSION

**Streetlights**

Project Number: 03-ST-94-003

DPW# 006

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM**

Project Class: Streets

Department: Public Works

amounts indicated = dollars in thousands

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services	100		65	50	30	TBD	TBD		245
Equipment/Furniture									0
<b>TOTAL</b>	100	0	65	50	30	TBD	TBD	0	245
<b>FINANCING SOURCES:</b>									
General Fund	100		65	50	30	TBD	TBD		245
G.O. Bonds									0
Intergovernmental Aid									0
Other									0
Other									0
<b>TOTAL</b>	100	0	65	50	30	TBD	TBD	0	245
<b>GENERAL FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	0

**PROJECT DESCRIPTION:**

This project supports the installation of streetlights in the older areas of town as well as between and adjacent to developments that lack them (Cobra lights only within non-residential neighborhoods). Streetlights increase traffic safety, provide additional safety for pedestrians, and deter crime. A process for the project selection was developed in FY2009 with an emphasis on safety, police reports, HOA and citizen requests as priority elements. Reserves will be used to construct projects in FY2011.

The following projects have been identified by DPW and the Police Department and will be considered for design and construction in FY2011 and beyond:

	FY2011	FY2012	FY2013	FY2014
800-blk Park Avenue	80			
McDaniel Court	20			
500-blk Florida Avenue		50		
Pearl Street		15		
Herndon Parkway at Cutter Mill Park			50	
Third Street - Grant to Monroe				30



**Pearl, Nash, Oak, Wood Street Improvements****FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM**

Project Number: 03-ST-06-002

Project Class: Streets

Department: Public Works

*amounts indicated = dollars in thousands*

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services		1000							1000
Equipment/Furniture									0
<b>TOTAL</b>	0	1000	0	0	0	0	0	0	1000
<b>FINANCING SOURCES:</b>									
General Fund									0
G.O. Bonds		1000							1000
Intergovernmental Aid									0
Other									0
Other									0
<b>TOTAL</b>	0	1000	0	0	0	0	0	0	1000

<b>GENERAL FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	0

**PROJECT DESCRIPTION:**

Surveying and a concept plan are complete. Final design and engineering work will occur throughout FY2011. Improvements may include entrances, additional sidewalks and drainage system improvements. The additional storm drain improvements are now possible due to the completion of the storm drainage outfall on the adjacent Timber Ridge/Darlington Oaks subdivision.

The Town Council authorized a \$3.035 million general obligation bond sale in December 2009, with \$1,000,000 of the issue dedicated to this project.

**Storm Drainage Improvements**

Project Number: 05-SM-96-001

DPW# 723/816

Project Class: Storm Drainage

Department: Public Works

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM***amounts indicated = dollars in thousands*

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition				10					10
Architecture/Engin./Admin.				30		50			80
Construction and related services	175	25	30		75		150		455
Equipment/Furniture									0
<b>TOTAL</b>	175	25	30	40	75	50	150	0	545
<b>FINANCING SOURCES:</b>									
General Fund				40	75	50	150		315
G.O. Bonds									0
Intergovernmental Aid									0
Pro-Rata Share Fund-Sugarland Run	175	25							200
Pro-Rata Share Fund-Horse Pen			30						30
<b>TOTAL</b>	175	25	30	40	75	50	150	0	545

<b>GENERAL FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	0

**PROJECT DESCRIPTION:**

This project addresses local area drainage problems. Reserve funding is for construction of the Runnymede Park outfall improvement project. FY2011 funds are intended to provide the remaining funding for the construction of the Runnymede Park project.

The following projects were recently identified as the result of a comprehensive ditch survey and will be considered for design and construction between FY2012 and FY2016. Additional projects may be identified as the survey is further evaluated.

	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016
Runnymede Outfall Improvements	200					
Horse Pen Watershed Project		30				
Spring Street, Nash to Van Buren			40	75		
Van Buren Street, Austin to Alabama					50	150
<b>Total</b>	200	30	40	75	50	150

**Buildings - Major Maintenance**

Project Number: 09-BD-04-001

DPW# 933

Project Class: Buildings

Department: Public Works

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM***amounts indicated = dollars in thousands*

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.	15	40	40	30	30	40	40		235
Construction and related services	30	160	375	200	200	600	635		2200
Equipment/Furniture									0
<b>TOTAL</b>	45	200	415	230	230	640	675	0	2435
<b>FINANCING SOURCES:</b>									
General Fund	45	200	415	230	230	640	675		2435
G.O. Bonds									0
Intergovernmental Aid									0
Other									0
Other									0
<b>TOTAL</b>	45	200	415	230	230	640	675	0	2435

<b>GENERAL FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	0

**PROJECT DESCRIPTION:**

This project supports the large maintenance and repair projects for town owned facilities.

Reserve, FY2011 and FY2012 funding will be used for the projects listed below. Out year project funding amounts are estimated costs for a building maintenance and repair program that will include HVAC and roof replacements as well as refurbishment of town facilities. Currently, HVAC units at 1481 Sterling Road and on the commercial side of 397 Herndon Parkway are past their expected service lifespans, and the failure of more than one of these units in a fiscal year is not accounted for in this staged funding approach. Funding to address the failure of these units may be required on an emergency basis.

Projects Using Reserve and FY2011 Funds:

HMC/Council Chambers HVAC Control System Upgrades - \$110K  
HMC Roof Replacement - \$90K

Projects Using FY2012 Funds:

1481 Sterling Road Roof Replacement - \$165K  
1481 Sterling Road HVAC Replacement - \$105K  
397 Herndon Parkway HVAC Replacement Phase I - \$145K

**Sidewalk and Minor Trails**

Project Number: 03-CD-08-001

Project Class: Streets

Department: Public Works

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM**

amounts indicated = dollars in thousands

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services	105	45	40	60	45	TBD	TBD	TBD	295
Equipment/Furniture									0
<b>TOTAL</b>	<b>105</b>	<b>45</b>	<b>40</b>	<b>60</b>	<b>45</b>	<b>TBD</b>	<b>TBD</b>	<b>TBD</b>	<b>295</b>
<b>FINANCING SOURCES:</b>									
General Fund (local 10% match)			40	60	45	TBD	TBD	TBD	145
G.O. Bonds	105								105
Intergovernmental Aid		45							45
Other									0
Other									0
<b>TOTAL</b>	<b>105</b>	<b>45</b>	<b>40</b>	<b>60</b>	<b>45</b>	<b>TBD</b>	<b>TBD</b>	<b>TBD</b>	<b>295</b>
<b>GENERAL FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**PROJECT DESCRIPTION:**

This project provides funding for new sidewalk and trail segments that are planned per the Master Trails Plan element of the town's comprehensive plan, as well as miscellaneous new sidewalks which will enhance pedestrian safety. This project does not address trails designated as Regional (Folly Lick, Sugarland Run, Van Buren Street). Funding in FY2011 will be through a grant from Fairfax County. Funding for the projects after FY2014 will be determined based upon a continuing project assessment and the need for trail easements on private properties.

Sidewalks

Spring St. at Fairfax County Pkwy Connector - \$150K FY2011  
 Locust Street - Fifth to Elden Street - \$25K FY2011  
 Van Buren St - W&OD Trail to Grove St. - \$15K FY2012  
 Locust Street - Missing segments on South Side - \$60K FY2013  
 Monroe Street - Park to First Place - \$30K FY2014  
 Madison - Monroe Street to Quincy St - \$15K FY2014 - need easement

Trails

Third Street (east of Dranesville Rd) to Herndon Parkway - \$75K  
 Vine Street to Sterling Road - \$30K  
 Florida Ave to Herndon Parkway - \$15K - need easement  
 Spring Park Place to W&OD Trail - \$15K - need easement  
 Palmer Drive to Campbell Way - \$45K - need easement  
 200 Spring Street to W&OD Trail - \$10K - need easement  
 Spring Street to Quadrangle Development - \$100K - need easement  
 Huntsman Place Trail Connection - \$100K - need easement  
 Nash - Spring Street to Pearl Street - TBD

**Herndon Pkwy Intersections/Major Transportation Improvements****FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM**

Project Number: 02-CD-08-001

Project Class: Traffic Control

Department: Public Works

amounts indicated = dollars in thousands

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.	560								560
Construction and related services	200	500	TBD	TBD	TBD	TBD	TBD		700
Equipment/Furniture									0
<b>TOTAL</b>	760	500	TBD	TBD	TBD	TBD	TBD	0	1260
<b>FINANCING SOURCES:</b>									
General Fund									0
G.O. Bonds									0
Intergovernmental Aid									0
NVTA (RSTP)	760	500	TBD	TBD	TBD	TBD	TBD		1260
<b>TOTAL</b>	760	500	TBD	TBD	TBD	TBD	TBD	0	1260

<b>GENERAL FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	0

**PROJECT DESCRIPTION:**

This project provides for significant transportation improvements in order to relieve congestion and improve safety. The town will pursue grant funding to support these efforts. For FY2011, the town has applied for and received preliminary approval from the Northern Virginia Transportation Authority for Regional Surface Transportation Program (RSTP) funding of \$500,000 for Herndon Parkway Intersections. Final approval is subject to action by the Transportation Planning Board of MWCOG and inclusion in the VDOT Six Year Program. This funding will support preliminary engineering, design and environmental compliance for intersection improvements. The specific design is expected to include additional turning lanes to increase capacity and relieve the worst levels of congestion. The town has targeted South Van Buren Street and Herndon Parkway as a priority. Other priority intersections include Spring Street/Herndon Parkway and Sterling Road/Herndon Parkway.

The town may also pursue NVTA local revenue funding for construction of these improvements. This represents a new funding source for street improvements. Funding for construction efforts will be determined after preliminary design and studies are complete.

**W&OD Trail Crossing Improvements**

Project Number: 03-ST-05-002

Project Class: Streets

Department: Public Works

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM***amounts indicated = dollars in thousands*

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.	50								50
Construction and related services	513		TBD						513
Equipment/Furniture									0
<b>TOTAL</b>	<b>563</b>	<b>0</b>	<b>TBD</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>563</b>
<b>FINANCING SOURCES:</b>									
General Fund									0
G.O. Bonds									0
NVTA CMAQ	563		TBD						563
Other									0
<b>TOTAL</b>	<b>563</b>	<b>0</b>	<b>TBD</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>563</b>

<b>GENERAL FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**PROJECT DESCRIPTION:**

Two options for this W&OD trail crossing at Crestview Drive have been proposed for evaluation. An overpass over Crestview Drive and a pedestrian traffic signal will be studied. The overall purpose of this project is to promote trail safety and prevent vehicle and trail user conflicts as a result of increasing traffic volumes along Crestview Drive. Congestion Mitigation-Air Quality (CMAQ) funds will be used for this project. If an overpass is selected, due to the costs associated with such an undertaking, this project will take several years to achieve full construction funding through CMAQ.

**Dranesville Road Improvements**

Project Number: 03-ST-01-001

Project Class: Streets

Department: Public Works

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM***amounts indicated = dollars in thousands*

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.		50							50
Construction and related services		400							400
Equipment/Furniture									0
<b>TOTAL</b>	0	450	0	0	0	0	0	0	450
<b>FINANCING SOURCES:</b>									
General Fund		200							200
G.O. Bonds									0
VDOT Revenue Sharing Funds		200							200
Reallocated CIP Reserves		50							50
<b>TOTAL</b>	0	450	0	0	0	0	0	0	450

<b>GENERAL FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	0

**PROJECT DESCRIPTION:**

The existing four lane undivided section of Dranesville Road that extends southward from the Herndon Parkway is part of an abandoned plan to run four lanes of traffic along Park Avenue to Ferndale Avenue. This project envisions the reconfiguration of the street, from the town line at Bennett Street to Park Avenue, to reflect the town's current plans for traffic circulation and management in residential areas. The four lane undivided section of Dranesville Road will be reconstructed to a two lane road with a landscaped median and dedicated left turn lanes at Third Street and Worchester Street; landscaped medians would be added to currently striped medians outside Herndon Parkway. The improvement could terminate at Park Avenue and transition to a small traffic-calming roundabout. Design and installation of a town entrance sign along Dranesville Road may be part of this project. Funding in FY2011 is for engineering and construction of medians, and for a feasibility study of a round-a-bout at the Dranesville/Park intersection.

**Downtown Utility Relocation**

Project Number: 03-ST-11-001

Project Class: Streets

Department: Public Works

**FY2009-FY2014 CAPITAL IMPROVEMENT PROGRAM**

amounts indicated = amounts indicated = dollars in thousands

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services	800								800
Equipment/Furniture									0
<b>TOTAL</b>	<b>800</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>800</b>
<b>FINANCING SOURCES:</b>									
General Fund									0
G.O. Bonds									0
Intergovernmental Aid - ARRA	800								800
Federal "TIGER" Funds - <i>pending</i>									0
Other									0
<b>TOTAL</b>	<b>800</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>800</b>

**GENERAL FUND OPERATING IMPACT:**

Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**PROJECT DESCRIPTION:**

A significant cost element of the Downtown Streetscape Project is the undergrounding/relocation of utilities. Town plans to underground and/or relocate the overhead utilities are to be implemented and funded separately through the Federal American Recovery and Reinvestment Act of 2009 (ARRA stimulus program).

The project, estimated at \$3.0M, consists of design, right-of-way acquisition/construction for the relocation of utility poles and/or the installation of duct banks and conduits for the undergrounding of utilities within a 3-block section of downtown Elden Street (Center Street to Monroe Street) and/or the adjacent streets including the parallel Locust Street alleyway.

The town was awarded \$800,000 in recently approved American Recovery and Reinvestment Act (ARRA) stimulus funds, and on September 16, 2009, the town also applied for \$2.2M in Federal Transportation Investments Generating Economic Recovery (TIGER) grant funding. The TIGER grant funding request in association with the \$800,000 in recently approved ARRA stimulus funds will enable the town to expedite the town's multimodal streetscape project.



**Information Technology**

Project Number : 16-IT-97-001

Project Class: Information Technology

Department: Information Technology

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM**

amounts indicated = dollars in thousands

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.		121	300	50	TBD	TBD	TBD		471
Construction and related services									0
Equipment/Furniture		74	313						387
<b>TOTAL</b>	0	<b>195</b>	<b>613</b>	<b>50</b>	<b>TBD</b>	<b>TBD</b>	<b>TBD</b>	<b>0</b>	<b>858</b>
<b>FINANCING SOURCES:</b>									
General Fund				50					50
G.O. Bonds									0
Intergovernmental Aid									0
Capital Leases		195	613						808
Other									0
<b>TOTAL</b>	0	<b>195</b>	<b>613</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>858</b>

**GENERAL FUND OPERATING IMPACT:**

Capital Costs									0
Debt Service									0
Personnel/Operations		15	TBD	TBD	TBD				15
<b>TOTAL</b>	0	<b>15</b>	<b>TBD</b>	<b>TBD</b>	<b>TBD</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>

**PROJECT DESCRIPTION:**

**FY2011** - Replacement of Parks and Recreation enterprise application suite (\$90,000) and the first phase of infrastructure replacement for critical Cisco network components (\$105,000). **FY2012 and FY2013** - Replacement of town's financial and human resources application suite (\$570,000) and completion of network infrastructure replacement (FY12 \$43,000, FY13 \$50,000). **FY2014 and Beyond** - Police enterprise applications systems replacement and other elements are under review.

## **B. GOLF COURSE PROJECTS**

**Clubhouse Expansion - Phase Three**

Project Number : 09-GC-96-003

Project Class: Buildings

Department: Golf Course

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM***amounts indicated = dollars in thousands*

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.					80				80
Construction and related services								TBD	0
Equipment/Furniture									0
<b>TOTAL</b>	0	0	0	0	80	0	0	TBD	80
<b>FINANCING SOURCES:</b>									
General Fund									0
G.O. Bonds									0
Intergovernmental Aid									0
Golf Course Fund					80			TBD	80
Other									0
<b>TOTAL</b>	0	0	0	0	80	0	0	TBD	80

<b>GOLF COURSE FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	0

**PROJECT DESCRIPTION:**

This project is the third element of a three phase project intended to improve and expand the golf course clubhouse. Phase Three will expand the pro shop customer service area, office space, and storage facilities. In addition, the entire clubhouse exterior will be replaced with a more durable and attractive material to improve the appearance and visual impact upon arrival at the facility.

FY2014 funding is for design concept development and the development of a budgetary cost estimate. A & E costs are estimated at current rates, however volatility of construction costs and fluctuation of market rates over an extended period of years does not lend itself to projecting construction costs this far in advance, as the project is scheduled in an undesignated year after FY2016.

**Golf Course Master Plan Improvements**

Project Number : 10-GC-96-005

DPW# 823

Project Class: Grounds

Department: Golf Course

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM**

amounts indicated = dollars in thousands

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.				10			16	40	66
Construction and related services				150			200	399.9	749.9
Equipment/Furniture									0
<b>TOTAL</b>	0	0	0	160	0	0	216	439.9	<b>815.9</b>
<b>FINANCING SOURCES:</b>									
General Fund									0
G.O. Bonds									0
Intergovernmental Aid									0
Golf Course Fund				160			216	439.9	815.9
Other									0
<b>TOTAL</b>	0	0	0	160	0	0	216	439.9	<b>815.9</b>

<b>GOLF COURSE FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	<b>0</b>

**PROJECT DESCRIPTION:**

The Herndon Centennial Golf Course Master Plan was completed in FY2004. The master plan provides for improvements to include course playability, aesthetics, and maintainability. Upgrades to the clubhouse entrance, parking lot and the associated landscaping will be included in this project.

Phase Two improvements, which include fairway bunker renovations, cart path, curbing renovations, and enlargement of all paths to a width of 7' are anticipated to be completed in FY2010. Phase Three improvements, including enhancements to the size, proportion and location of teeing areas, is scheduled to be completed in FY2013. The out years show a proposed funding schedule for future improvements.

## **C. WATER AND SEWER FUND PROJECTS**

**General Water Maintenance and Replacement**

Project Number: 12-WS-96-001

DPW# 824

Project Class: Water

Department: Public Works

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM**

amounts indicated = dollars in thousands

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition						20			20
Architecture/Engin./Admin.	83			43	60	62	108	38	394
Construction and related services	673		345	235	241	239	262	266	2261
Equipment/Furniture									0
<b>TOTAL</b>	<b>756</b>	<b>0</b>	<b>345</b>	<b>278</b>	<b>301</b>	<b>321</b>	<b>370</b>	<b>304</b>	<b>2675</b>
<b>FINANCING SOURCES:</b>									
General Fund									0
G.O. Bonds				278	301	321	370	304	1574
Intergovernmental Aid									0
Water and Sewer Fund	756		345						1101
Other									0
<b>TOTAL</b>	<b>756</b>	<b>0</b>	<b>345</b>	<b>278</b>	<b>301</b>	<b>321</b>	<b>370</b>	<b>304</b>	<b>2675</b>

<b>WATER AND SEWER FUND OPERATING IMPACT:</b>									
Capital Costs									
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**PROJECT DESCRIPTION:**

This program provides for major component replacement. Major maintenance and replacement of system mains and facilities will be phased, thus reducing the adverse impacts caused by frequent outages and the cost premiums experienced from breakdown repairs. Project funding for FY2013 - FY2015, with a portion of FY2016, will be supported by bond funds. Higher frequency of water main breaks may cause the program to change locations of out year area replacements.

<b>FY2010-2011 Construction</b>	<b>FY2011-2012 Construction</b>
Oak Street	Patrick Lane
Florence Place	Stuart Court
Spring Street - Locust to Nash	Pickett Lane
	Calhoun Court

Reserve funds will fund a larger portion of the projects that are scheduled out to FY2012.

**Sewer Main Reconstruction and Replacement****FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM**

Project Number: 12-SS-96-003

Project Class: Sanitary Sewer

Department: Public Works

amounts indicated = dollars in thousands

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services	20	60	275	275	155	70	100	50	1005
Equipment/Furniture									0
<b>TOTAL</b>	20	60	275	275	155	70	100	50	1005
<b>FINANCING SOURCES:</b>									
General Fund									0
G.O. Bonds									0
Intergovernmental Aid									0
Water and Sewer Fund	20	60	66	66	38	70	100	50	470
Fairfax per Agreement*			209	209	117				535
<b>TOTAL</b>	20	60	275	275	155	70	100	50	1005

<b>WATER AND SEWER FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	0

**PROJECT DESCRIPTION:**

The sewer conveyance system requires constant maintenance to prevent costly, unnecessary repairs and sanitation hazards due to equipment component failures and sewer main deterioration. Fiscal year savings are generated from the Infiltration and Inflow reduction efforts, which reduce sewer costs. Sewer main relining on smaller old mains is almost complete. Manhole rehabilitation is being included in the FY2011 and FY2012 repairs. Others will be added to the list as they are identified as a result of our system survey. The Sugarland Trunk line relining will decrease the costs for maintenance in FY2012-FY2014. This project will be completed in phases over a three year period with 76% funding support from Fairfax County.

Manhole Rehabilitation Areas

Folly Lick Trunkline

Spring Branch Trunkline

Future Main Relining Areas (Outyears)

Sugarland Run Trunkline

Segments as required as a result of inspections

\* Fairfax County Reimbursement Agreement - 2/3 of trunkline maintenance expense (Sugarland Run only)

**Automated Meter Reading System**

Project Number: 12-WS-99-001

DPW# 015

Project Class: Water

Department: Finance

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM**

amounts indicated = dollars in thousands

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services	350	50		170	170	160			900
Equipment/Furniture									0
<b>TOTAL</b>	<b>350</b>	<b>50</b>	<b>0</b>	<b>170</b>	<b>170</b>	<b>160</b>	<b>0</b>	<b>0</b>	<b>900</b>
<b>FINANCING SOURCES:</b>									
General Fund									0
G.O. Bonds									0
Intergovernmental Aid									0
Water and Sewer Fund	350	50		170	170	160			900
Other									0
<b>TOTAL</b>	<b>350</b>	<b>50</b>	<b>0</b>	<b>170</b>	<b>170</b>	<b>160</b>	<b>0</b>	<b>0</b>	<b>900</b>

<b>WATER AND SEWER FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations		(6)	(6)	(39)	(39)	(39)			(129)
<b>TOTAL</b>	<b>0</b>	<b>(6)</b>	<b>(6)</b>	<b>(39)</b>	<b>(39)</b>	<b>(39)</b>	<b>0</b>	<b>0</b>	<b>(129)</b>

<b>NET COST:</b>	<b>350</b>	<b>44</b>	<b>(6)</b>	<b>131</b>	<b>131</b>	<b>121</b>	<b>0</b>	<b>0</b>	<b>771</b>
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**PROJECT DESCRIPTION:**

A concept study and design of an automated water meter reading system was commissioned in June 2001. The objectives of the study were to (a) identify the cost/benefit of automating the commercial meter reading function; (b) evaluate cost/benefit of automating the residential meter reading functions, including phase-in of automation over ten years; and (c), if supported by the results of (a) above, develop an RFP for an automated meter reading system. This project is being developed within the parameters of the Automated Water and Sewer Management System (AWSMS) and Supervisory Control and Data Acquisition (SCADA) for the town.

Based on preliminary information, the cost to implement the utility billing software enhancements and automate all existing commercial water meters in town is approximately \$400,000, and funds have been reserved for this purpose. The cost to automate all of the residential water meters is estimated at \$500,000. Residential water meters could be automated as part of the town's normal meter replacement program. Even so, an updated cost/benefit



**Metrorail Station/Downtown/Worldgate Area Utility Capacity Study****FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM**

Project Number: 12-WS-10-001

Project Class: Water/Sewer and Storm Sewer

Department: Public Works

amounts indicated = dollars in thousands

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.		30							30
Construction and related services									0
Equipment/Furniture									0
<b>TOTAL</b>	0	30	0	0	0	0	0	0	30
<b>FINANCING SOURCES:</b>									
General Fund									0
G.O. Bonds									0
Intergovernmental Aid									0
Water and Sewer Fund		30							30
Other									0
<b>TOTAL</b>	0	30	0	0	0	0	0	0	30

<b>WATER AND SEWER FUND OPERATING IMPACT:</b>									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	0

**PROJECT DESCRIPTION:**

This project includes a study of sanitary sewer and water systems serving these areas and determines the potential impacts on capacity and location from estimates of projected development. GIS mapping of these areas will be completed in the summer of 2009. Existing capacity analysis of the water and sewer systems will be completed first and then the growth projection produced from the area study will be used to project water/sewer system growth related capacity requirements. This project must be coordinated closely with the Area Plan and Technical Studies Project (CIP # V-12).

## **D. DOWNTOWN PARKING FUND PROJECTS**

**Surface Parking Lots**

Project Number: 13-CD-98-003

Project Class: Downtown Development

Department: Community Development

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM***amounts indicated = dollars in thousands*

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.	549								549
Construction and related services									0
Equipment/Furniture									0
<b>TOTAL</b>	549	0	0	0	0	0	0	0	549
<b>FINANCING SOURCES:</b>									
General Fund									0
G.O. Bonds									0
Intergovernmental Aid									0
Downtown Parking Project Reserves	549								549
Other									0
<b>TOTAL</b>	549	0	0	0	0	0	0	0	549

<b>PARKING FUND OPERATING IMPACT:</b>									
Capital Costs	549								549
Debt Service									0
Personnel/Operations									0
<b>TOTAL</b>	549	0	0	0	0	0	0	0	549

**PROJECT DESCRIPTION:**

Reserve funds are targeted for the acquisition of an additional property and the construction of a surface parking lot.

The new site will accommodate approximately 40-45 new spaces. This lot will also give the town additional flexibility for temporary parking during construction of a major redevelopment project in the downtown.

**Station Street Parking Garage**

Project Number: 13-CD-00-001

Project Class: Downtown Development

Department: Community Development

**FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM***amounts indicated = dollars in thousands*

	Estimated Reserves	10-2011	11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	TOTAL
<b>ESTIMATED COST:</b>									
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services									0
Equipment/Furniture									0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	0
<b>FINANCING SOURCES:</b>									
General Fund									0
G.O. Bonds									0
Intergovernmental Aid									0
Other									0
Other									0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	0

<b>PARKING FUND OPERATING IMPACT:</b>									
Capital Costs									
Debt Service									
Personnel/Operations		TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
<b>TOTAL</b>	0	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

**PROJECT DESCRIPTION:**

The town seeks development of a parking structure at the existing Station Street surface parking lot site, or in another configuration as part of a consolidated public-private development. The project will meet the town's commitments to the Public Shared Parking program.

## **VI. PROJECTS SCHEDULED AFTER FY2016**

## FY2011-FY2016 CAPITAL IMPROVEMENT PROGRAM

## CAPITAL PROJECTS SCHEDULED AFTER FY2016

		Estimated Reserves	Budget Year 10-2011	<i>All figures represent dollars in thousands</i>						Estimated Total Cost
	Project Title			11-2012	12-2013	13-2014	14-2015	15-2016	Beyond	
1	Van Buren Street Regional Trail	0	0	0	0	0	0	0	225	225
2	Town Hall Square Improvements	0	0	0	0	0	0	0	560	560
3	Landscape Improvements - Downtown	0	0	0	0	0	0	0	75	75
4	Heritage District Bus Stop Shelters	0	0	0	0	0	0	0	50	50
5	Alabama Dr. Phase II - Elden to Magnolia	0	0	0	0	0	0	0	620	620
6	Locust Street Improvements	45	0	0	0	0	0	0	1225	1270
7	Triangle Streets Improvements - Phase II	0	0	0	0	0	0	0	390	390
8	S. Elden Interim Improvements	0	0	0	0	0	0	0	1100	1100
9	Cemetery Improvements - Phase II	0	0	0	0	0	0	0	2000	2000
<b>TOTAL- TOWN SOURCES ONLY</b>		<b>45</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,685</b>	<b>5,730</b>